

C1  
Cont.

a mating portion for engaging a mating component, said mating portion having an elongated cross-section; and

a mounting portion for securing the connector to a substrate;

a plurality of signal contacts in said dielectric base, generally similar to said ground or power contacts, and comprising:

B1  
a mating portion for engaging a mating component, said mating portion being generally planar, oriented generally transverse to said mounting portion of said ground or power contacts and having an elongated cross-section; and

a mounting portion for securing the connector to a substrate; and

a plurality of solder masses, each secured to a respective one of said mounting ends of said plurality of ground or power contacts and said plurality of signal contacts for securing the connector to the substrate.

B2  
14. (Twice Amended) The electrical connector as recited in claim 1, wherein said dielectric base has a mating surface for engaging a mating surface of a mating component, said plurality of ground or power contacts and said signal contacts extending past said mating surface of said dielectric base in a free-standing manner.

SUB  
C2

18. (Twice Amended) A ball grid array connector mountable to a circuit substrate, comprising:

B3  
an insulative housing;

a plurality of continuous contacts disposed in an array of at least three rows and at least three columns, each contact extending through said housing, remaining away